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REQ TR CHECK 43-4-20 TD 10

STUDY OF MOVEMENT IN THE NEAR REGION OF AN EXPLOSION IN A SOLID

KORYAVOV V P; VILENSKAYA G G

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, ISSUE 6, 1968

PGS: 76 - 85

MS-24-71-1665

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RUSSIAN, per, Zhurnal Prikladnoy Matematiki i Tekhnicheskoy Fiziki, No 6, 1968, pp 94-98.
FTD HP S 585-69

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nov 69

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FTD HT Special 215-70

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NASA TT F-12,373

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NASA TT F-12,368

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DIAMAGNETISM OF A CONDUCTOR MOVING IN A MAGNETIC FIELD
FEDOROVICH G V
UR: ZHURNAL PRIKLADNOY MEKHANIK I TEKHNICHESKOY FIZIKI, 1969, pp 55-61

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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FTD HT-Special 75-70

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AIR/FTD/HT-23-51-70

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NASA TT F 12,773

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FTD HT Special 238-70

Sci-Phys
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REQ TR CHECK 13-4-35 TD 25

ISENTROPIES OF THE EXPANSION OF EXPLOSION PRODUCTS OF CONDENSED EXPLOSIVES

ZHERNOKLETOV M V; ZUBAREV V N; TELEGIN G S

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI; ISSUE 4 , 1969

PGS: 127 - 132

In process as
45-23-71-0625

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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AEC/LA/Tr-70-8

Sci-Phys
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Dept of Navy APL/JHU T-2417

Sci/Chem
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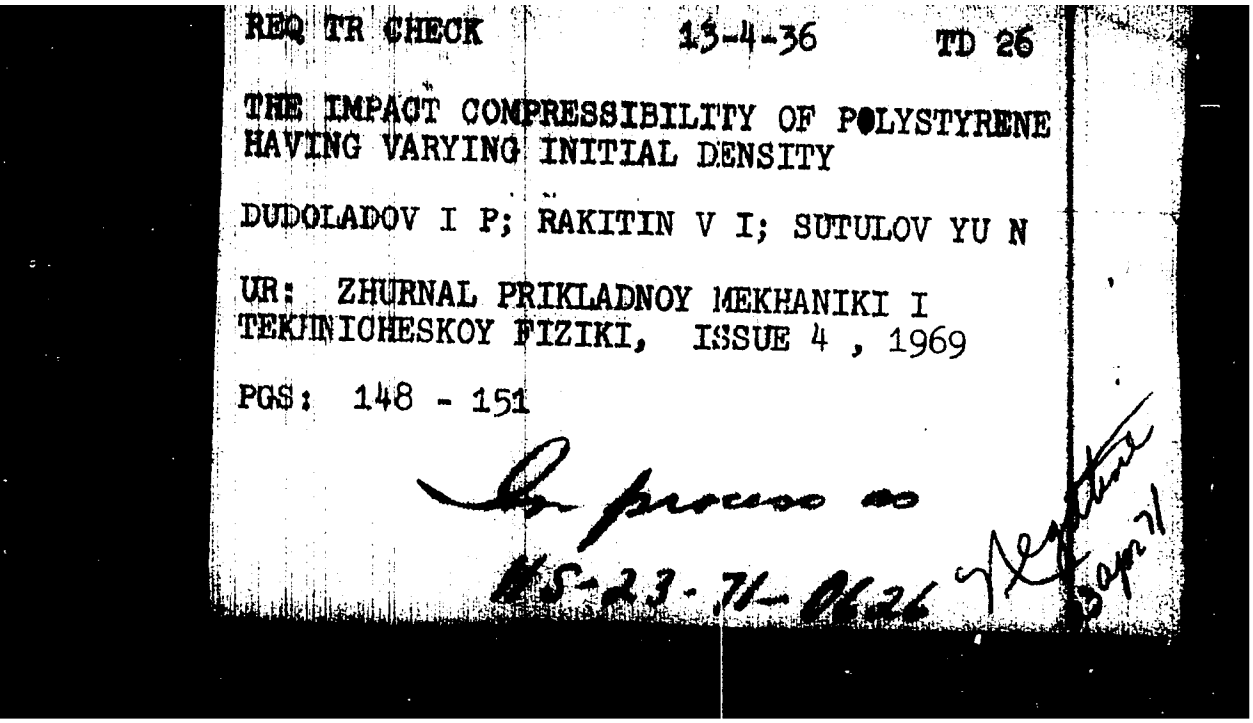

REQ TR CHECK 13-4-36 TD 26

THE IMPACT COMPRESSIBILITY OF POLYSTYRENE HAVING VARYING INITIAL DENSITY

DUDOLADOV I P; RAKITIN V I; SUTULOV YU N

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, ISSUE 4 , 1969

PGS: 148 - 151

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May 70

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by L. A. Chudov.
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ACSI J-8345
FSTC-HT-23-1005-70

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NASA TT F-13,013

Sci-Prop & Fuels
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REQ TR CHECK 1-6-26 TI 68

BUILD-UP OF STEADY FLAME PROPAGATION DURING GAS IGNITION BY A HEATED SURFACE
MERZHANOV A G
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, SEP-OCT 1969, nr 5, pp 42-48

Ck Faraday Press.
Last complete issue unknown.
Process as
45-23-71-1076

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NASA TT F-13,014

Sci phys
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NASA TT F-13,015

Sci-Phys
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Yu. V. Nemirovskiy.
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FTD HT Special 213-70

Sci-Phys
Jul 70

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Shock of a High Velocity Solid on Porous Material, by V. M. Titov.
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Measurement of Friction in two Phase Flows by an Electrochemical Method, by V. A. Kuzmin, B. G. Pokusayev.

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FTD HT Special 384-70

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REQ TR CHECK 13-4-21 NO 11

ESTIMATING THE THERMOELECTRIC EFFECTS IN THE NEAR-ELECTRODE REGION OF A GAS DISCHARGE

KONOVALOV A E

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESK FIZIKI, ISSUE 5, 1969

PGS: 138 - 140

In process as

HS-23-71-1073

Sept 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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Free Convective Heat Transfer to Sulfur Hexafluoride in Supercritical Regions, by Ye. N. Dubrovina, V. P. Skripov.

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FTD HT Special 122-70

May 70

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Dept of Navy APL/JHU T-2447

Sci/Phys
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NASA TT F-12,969

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*FTD HT Special 117-70

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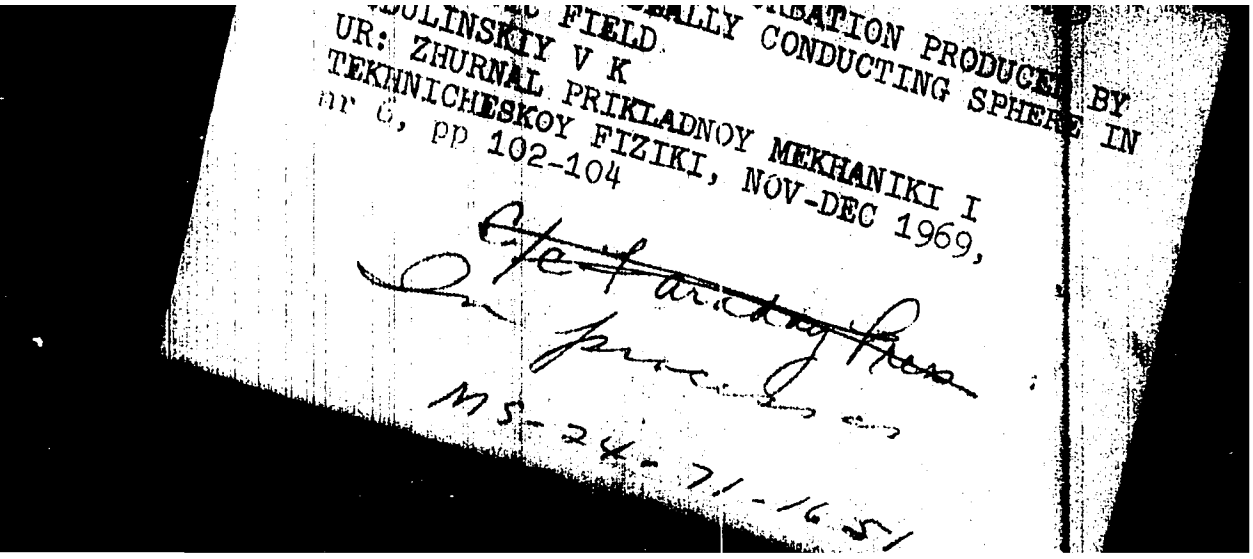

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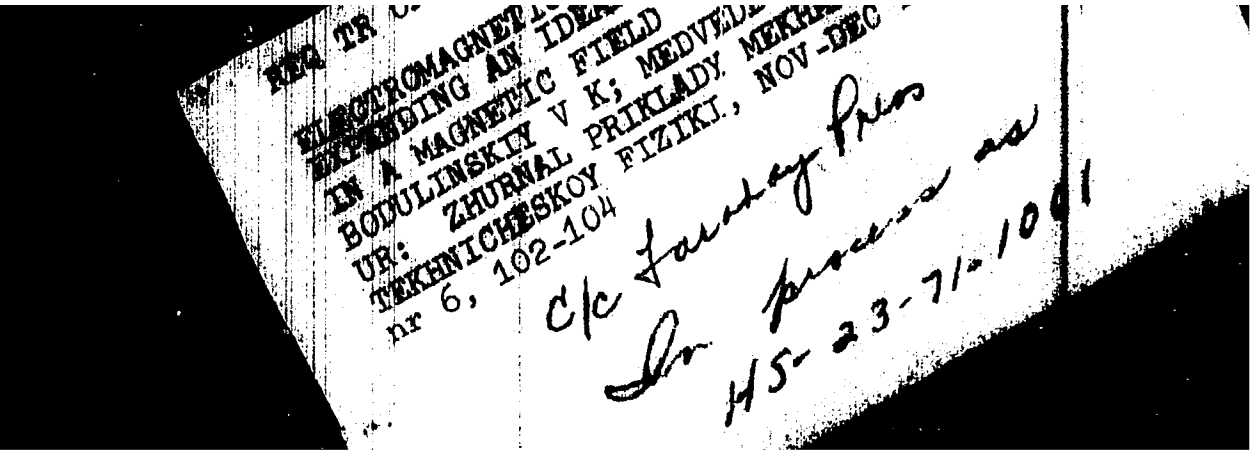

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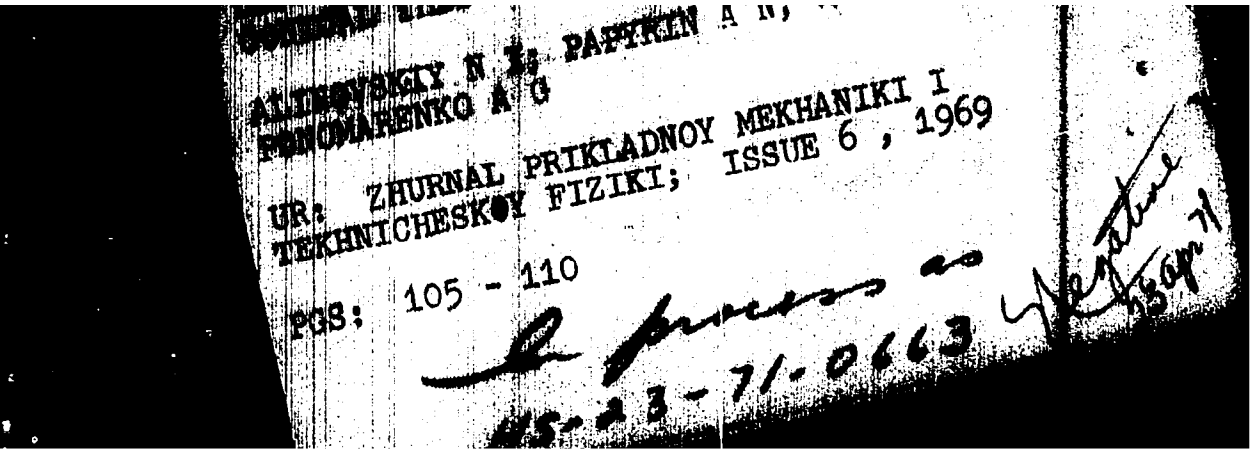

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The Structure o. Low-Density Supersonic Jets, by V. I. Nemchenko. 13 pp. RUSSIAN, per, Zh Prikl Mekh i Tekhn Fiz, No 6, 1969, pp 110-115. NASA TT F-12,968

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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Interaction of Spherical Shocks and Solids, by
A. N. Ivanov.
RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, No 6, 1969, pp 115-119.
AFTD HT Special 117-70

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REQ TR CHECK 20-4-72 T[illegible]9

ENGLISH TITLE UNKNOWN
NIGMATULIN R I
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, 1970, nr 1, pp 88-95

In process as

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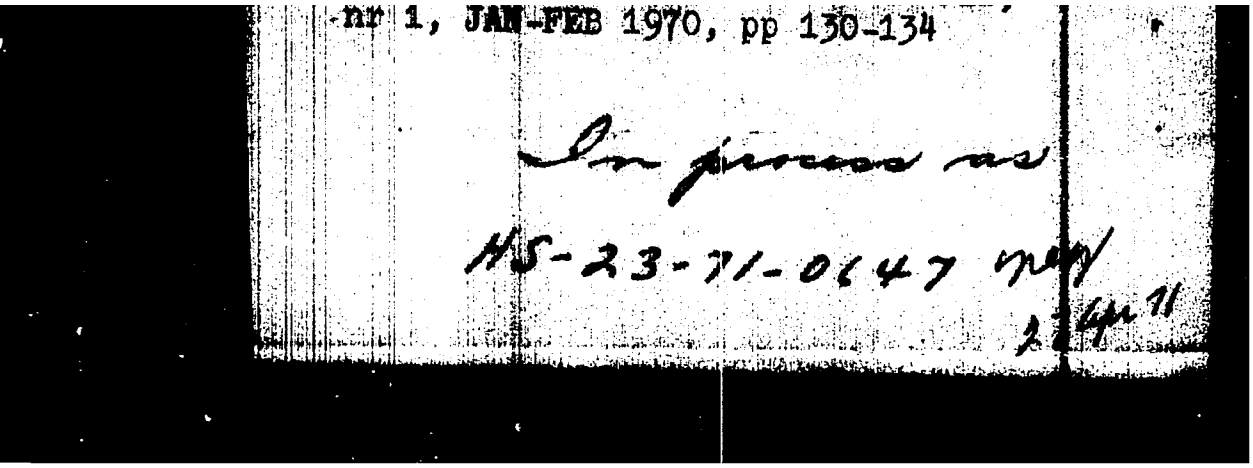

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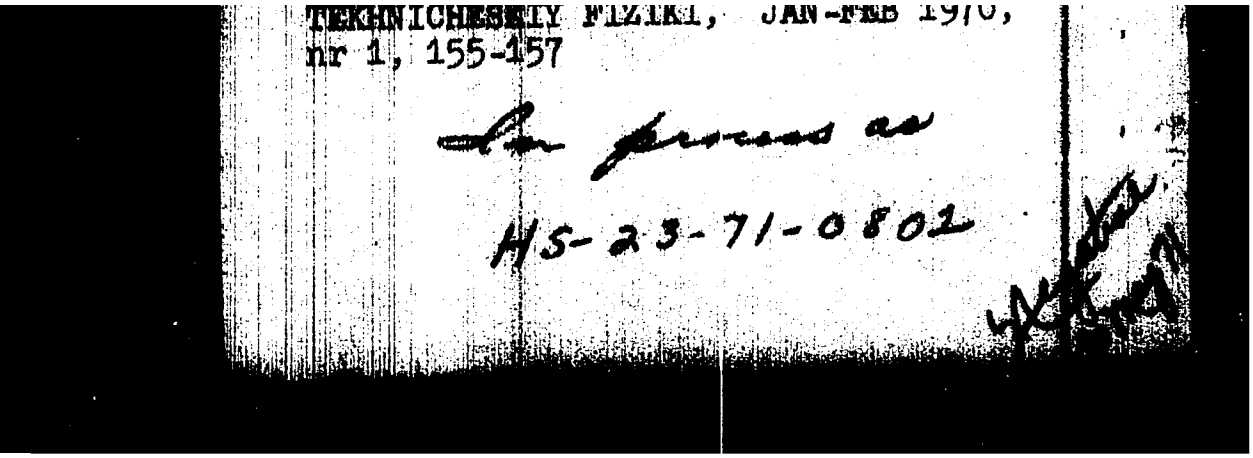

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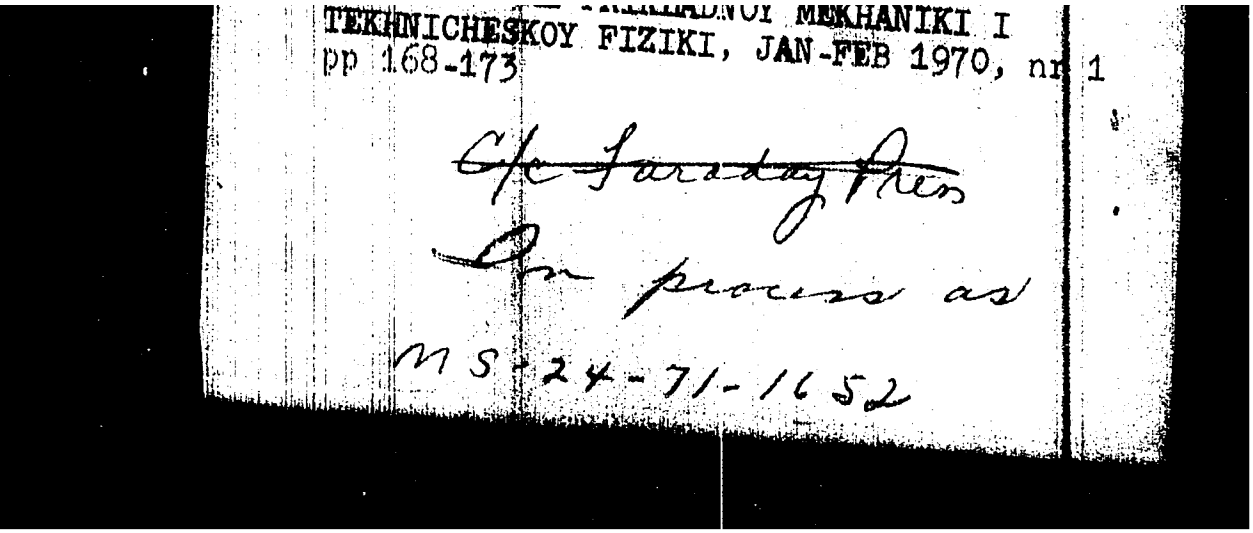

TEKHNICHESKOY FIZIKI, JAN-FEB 1970, nr 1
pp 168-173

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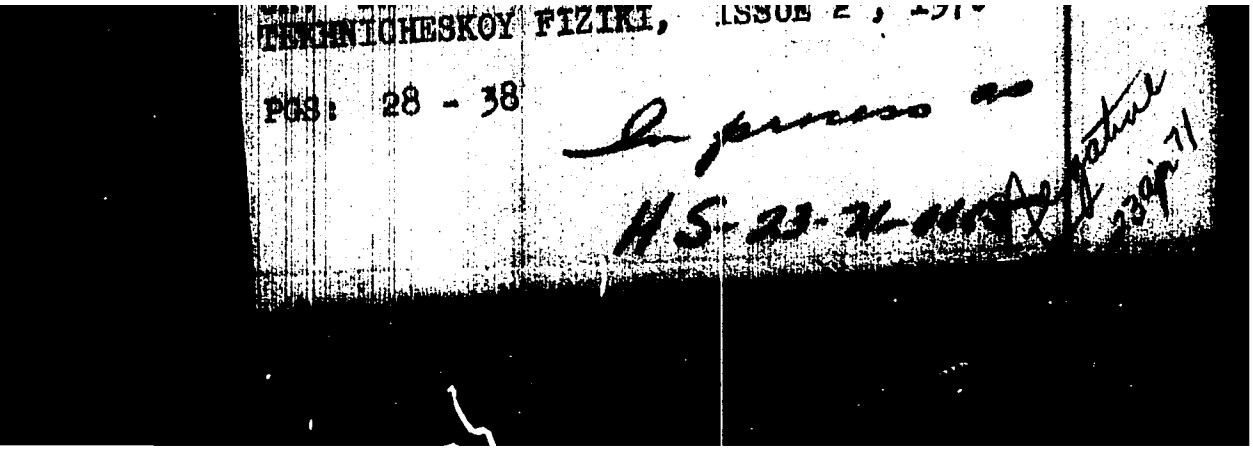

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A. T. Onufriev

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RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 2, 1970, pp 62-71.
NTC 72-13991-20D
(NASA TT F 13,219

Sci / Slumach
Nov 72

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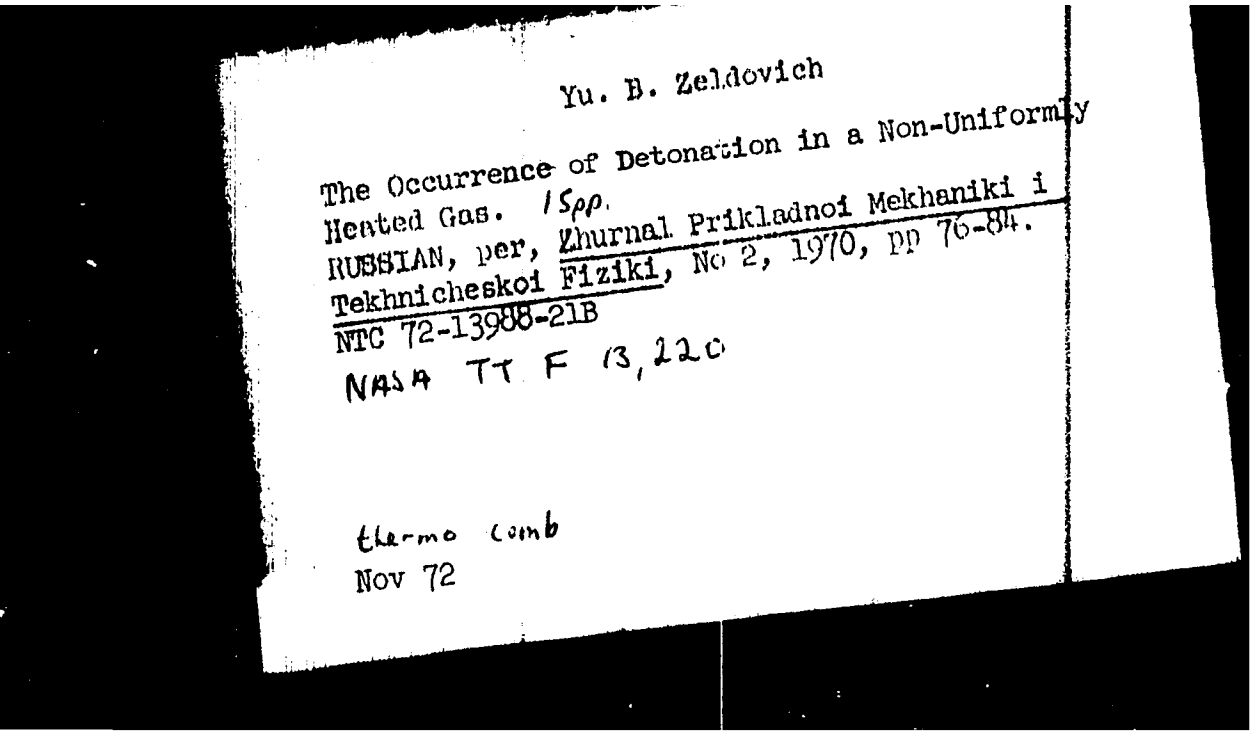

Yu. B. Zeldovich

The Occurrence of Detonation in a Non-Uniformly Heated Gas. 15pp.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 2, 1970, pp 76-84.
NTC 72-13988-21B
NASA TT F 13,220

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Nov 72

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9 pp.
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Tekhnicheskoy Fiziki, No 2, 1970, pp 90-95.
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Sept 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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REQ TR CHECK 6-12-10 TY51

NONLINEAR STAGES OF HOSE INSTABILITIES
BEREZIN YU A
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, MAY-JUN 1970, no 3, pp 3-10

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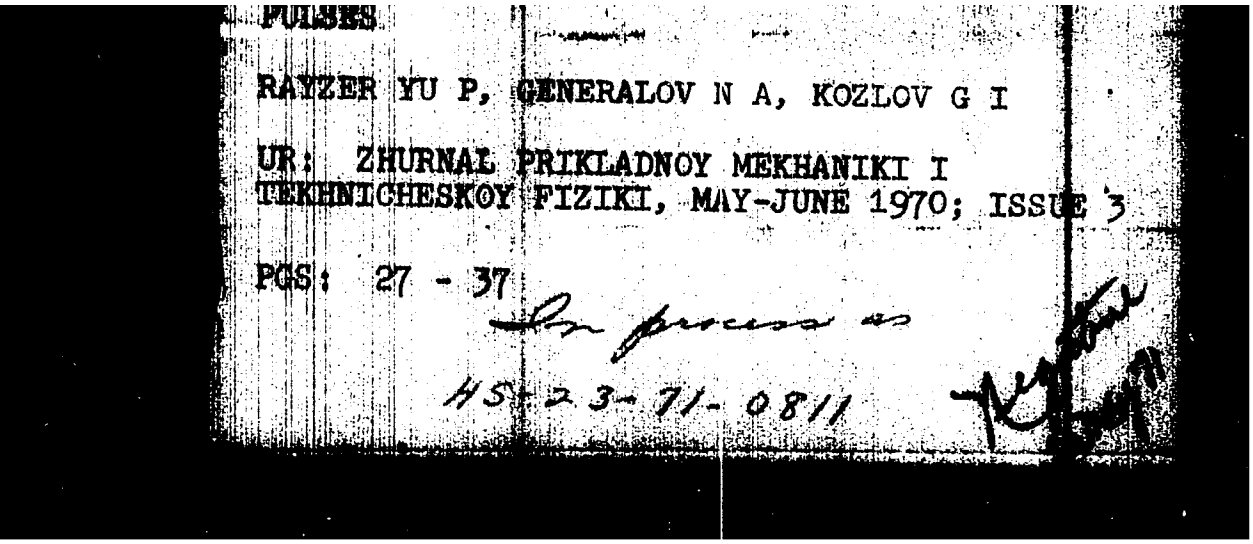

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RAYZER YU P, GENERALOV N A, KOZLOV G I

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, MAY-JUNE 1970; ISSUE 3

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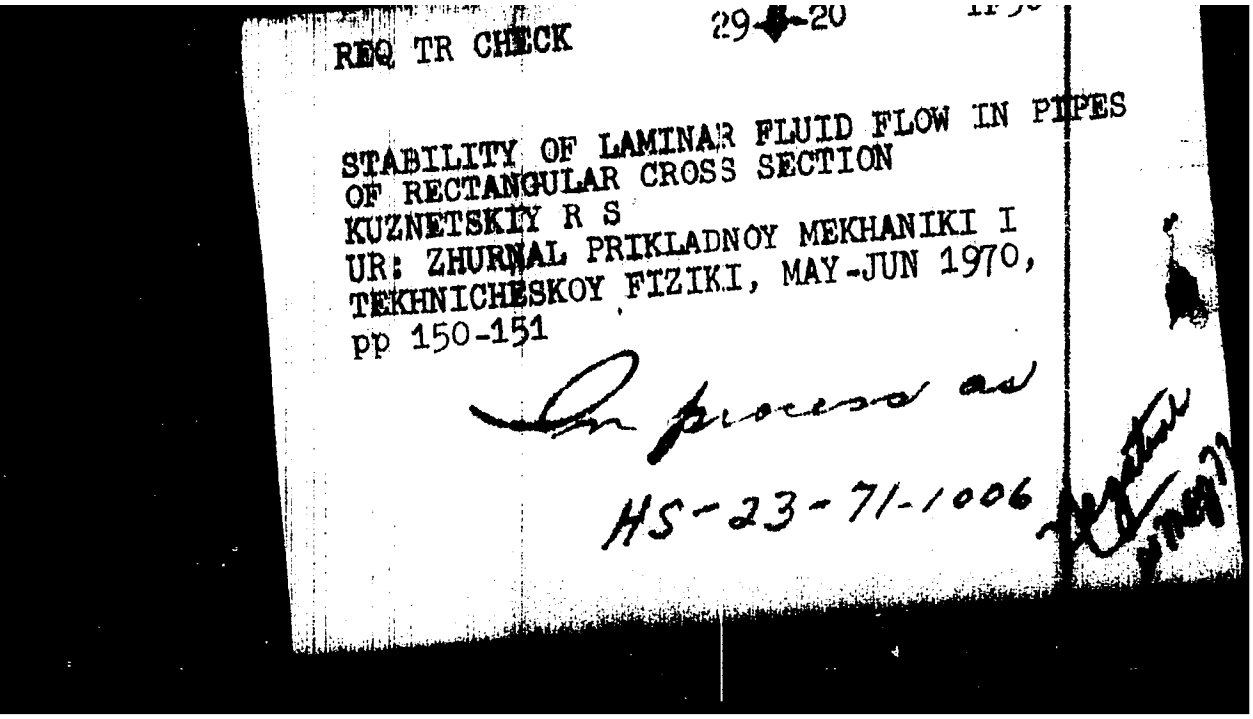

REQ TR CHECK 29-20

STABILITY OF LAMINAR FLUID FLOW IN PIPES OF RECTANGULAR CROSS SECTION

KUZNETSKIY R S

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, MAY-JUN 1970, pp 150-151

In process at

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The Electrical Field Excited in Air by a Gamma Quanta Pulse, by Yu. A. Medvedev.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 4, 1970, pp 3-8.
NTC-71-11835-20H
FTD-HS-23-71-0801

Nov 71

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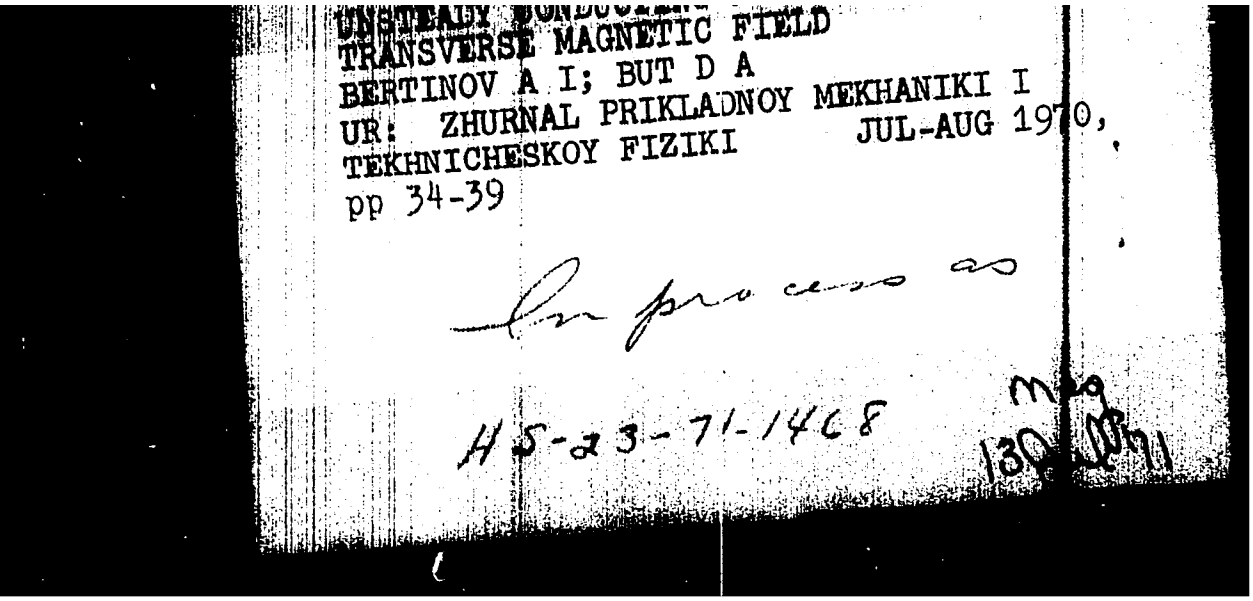

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TRANSVERSE MAGNETIC FIELD
BERTINOV A I; BUT D A
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI JUL-AUG 1970, pp 34-39

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Kinetic Theory of Gas Mixtures Taking Account of Irreversible Thermodynamics Laws, by A. D. Khonkin.

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NTC-71-12344-01A

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NTC-71-11821-01A

FTD MT-24-1551

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NTC-71-12346-04A
FTD-HS-23 71-1969

Nov 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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REQ TR CHECK 6-03-73 T313

PROPAGATION OF ELECTROMAGNETIC DISTURBANCES OVER A FLAT SURFACE

IVANOV, V V;CHERNYY, G P

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, NO. 5, SEPT-OCT 1970 pp. 22-30

Russian

H573-23-0348 Neg 28 MAR 73

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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Deformation of Drops in the Reactive Zone During Heterogenous Detonation, by A. A. Borisov.
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NTC 72-11145-21B
Nasa TTF 13579 11pp

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Structure of Supersonic Stream of Argon Helium Mixture in a Vacuum, by A. A. Bochkarve.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 5, 1970, pp 58-63.
NTC 72-10897-20D

May 72

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REQ TR CHECK 7-03-73 T331

THEORY FOR NONSTEADY COMBUSTION OF POWDER COMBUSTION UNDER HARMONICALLY VARYING PRESSURE

GOSTINTSEV, YU A;SUKHANOV, L A; POKHIL, P F

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, NO 5, SEPT-OCT 1971, pp. 60-69

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Turbulent Wake in a Stratified Medium,
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No 5, 1970, pp 68-72.
NTC 72-10899-20D
Nasa TT F 13580 9pp

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Technicheskoi Fiziki, no. 5, 1970, pp. 73-77,
NTC 71-12930-20D
Nasa TT-F- 13581 10 pp
NTC 72-11140-20D

July 71

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Two

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NTC 72-10898-20D
NTC 71-12928-20A
Nasa TT F 13582 15 pp

May 72

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Structure of the Supersonic Jet of an Argonhelium Mixture in a Vacuum, by A.A. Bochkarev.
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NTC 71-12929-20I
Nasa TT-F-13583 12pp

July 71

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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I. M. Rutkevich

A Two-Dimensional Problem in the Electrodynamics of Stationary (or Steady-Flow) Currents in a Nonlinearly Conductive Medium.

RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 6, 1970, pp 49-53.
NTC 72-13594-20C
NASA TT F 13,540

Nov 72

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

Compression of the Magnetic Field in a Collapsing Spherical Cavity by
V. K. Bodulinskiy. 6 pp.
RUSSIAN, per, Zh. Prikl. Mekh. Tekh. Fiz.,
No 6, 1970, pp 114-115.
NASA TT F 13,591

Feb 72

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

Ionization Relaxation Behind Shock Waves in Nitrogen at Velocities of 17-25 Kilometers Per Second, by M. B. Zheleznyak. 11 pp.
RUSSIAN, per, Zh Prikl. Mekhan. i Tekhn Fiz., No 6, 1970, pp 126-130.
NASA TT F 13592
NTC 72-10478-3205

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REQ TR CHECK 15-5-9 TFB3

METHOD OF CALCULATING A RADIATION FLUX AND ITS DIVERGENCE IN REGIONS WITH A STEP-WISE TEMPERATURE AND COMPOSITION DISTRI-BUTION

OVSYANNIKOV, V.M., TIRSKIY, G.A.

UR-ZHURNAL PROKLADNOI MEKHANIKI I TEKH-NICHESKOI FIZIKI, Mar-Apr 1971, pp 54-62

c/c Plenum Pres

Photos in as

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[redacted] JPRS 56849

CSO: 0052/73(g) W
17 Jul 72 [illegible]

Turbulent immersed wall jet of air along a burning graphite surface, by B. P. Volchkov, & P. V. Nikitin.

Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, No 1, 1971, pp 60-67.

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Description of Chemically Equilibrium Flows of Multicomponent Ionized Mixtures Within the Framework of the Navier-Stokes and Pradtl Equations, by O. N. Suslov, G. A. Tirskiy, 24 pp. RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, Moscow, No 1, 1971, pp 73-89. JPRS 57017

Sept 72

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

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Eng. 72-103 23 Feb. 72

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Volume 1, pp. 168-173 (Russian). 1971

By: Burtsev, A.A., et al.

Language: Russian

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Title: Amplification of Weak Shock Waves in a Hot Two-Phase Gas-Liquid System.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000100070056-9

Some Effects During the Passage of Radio Waves Through the Region of an Explosion, by V. A. Vel'min, V. F. Koreta, 9 pp. RUSSIAN, per. Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, Moscow, No 2, 1971, pp 136-139. JPRS 53334

June 71

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A Turbulent Immersed Wall Jet of Air on a Burning Graphite Surface, by E. P. Volchkov, P. V. Nikitin, 11 pp.
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JPRS 56849

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B. N. Semenov

Interaction of an elastic boundary with the viscous sublayer of a turbulent boundary layer. 9 pp.
RUSSIAN, Zh. Prik. Mekhan. i Tekhn. Fiz, No 3, May-Jun 1971, pp 58-62
NASA TT F 14,391

oct 72

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Shock Compaction of Two-Component Paraffin-Tungsten Mixtures, by Yu. F. Alekseyev, L. V. Al'tshuler, 9 pp. RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, No 4, 1971, pp 152-155.
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Apr 72

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N. A. Generalov

On the Population Inversion of CO_2 Molecules in Expanding Gas Flows.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 5, 1971, pp 24-34
NTC 72-12747-20I

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I. V. Nemchinov

Screening of a Surface Evaporating Under the Effect pf Laser Radiation, With Temperature and Ionization Nonequilibrium.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fisiki, No 5, 1971, pp 35-45
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B/ N. Semenov

Interaction of an elastic boundary with the viscous sublayer of a turbulent boundary layer.
RUSSIAN, per. Zhurnal prikladnoi mekhaniki i tekhnicheskoy fiziki, May-June 1971, pp 58-62
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july 72

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B. M. KOVALCHUK

Discharge in Gas at High Pressure Initiated by a Beam of Fast Electrons, 13 pp.
ZHURNAL PRIKL MEKH TEKHN FIZ, No 6, 1971, pp 21-29.
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Mar 73

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I. G. Assovskii

On Necessary Conditions for a Step Change in the Velocity of Combustion of Condensed Systems. RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 6, 1971, pp 57-64.
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